

Replacement Sheet

FIG. 6A

SEQUENCE LISTING NO. 1

ggatcctcgt	ccgtctcgac	caccaggtag	cggctcagcg	cccggtagaa	acggccgccc	60
tcctcggact	gcacggcgtc	gtagaggatc	tgctccggcc	gggcccgcgag	cacctgggtcc	120
aggaacctgg	gccgctgttc	gggggggaga	tgagcgtggt	cgtcggggac	gcactgggacg	180
gtcggggcca	gctcgatgag	gtcgacgtag	cccgttccg	ggtgggcgcg	cgccaggacg	240
tggaggacgc	cgtcgatccg	cttgccagg	aacgccacca	ccccggtgcc	gcgcgggctg	300
agcagcggct	gggtccaccc	cttgacttcg	cggttgcgcg	cctccacaga	cacggcgacg	360
atcgcgaaat	gccgtccact	ggtgtggcgt	atctcgtccg	tgtcgcggac	ccagccgtcc	420
acggaggtca	gcgggacgag	ctgcgcggcg	acctcgtcgc	gcgcctgag	cccgttgaac	480
cagcgcagca	gctcgggcag	ggtgtgcgcg	gcgggggcct	gcgcggacag	ggaggcggtc	540
agggcggcca	cggccgcccc	gcgggaaccg	tcggtcgtga	ctccctcgag	ggaaccgtcc	600
ggcggggcga	cggggaggca	ggccaggacc	gtccgagtgt	ccatgttgac	caggtcgggg	660
acgccgagca	gccggcggac	ctgaccgagg	gtcagccagc	ggtagtcttc	gtgctcgggc	720
acgtcgcgca	cggcctcgac	gacgagattg	cggttgcgtt	tgcggaagaa	ccaggaaccg	780
tgctcggact	ggagcacgtc	gaccagcggc	cggcccttgc	cggggtccgt	gaagtactcc	840
aggtaccgca	cggcgtgcc	ctcgtgcacg	cccgtgtagt	tgctgcgggt	ggcctgcacc	900
gtgggcgaca	actggagtcc	ctcggcggtg	ccgggctcgg	ccttcgcctg	catcaggcag	960
tgaggagacac	cgtcgaactc	cttgaccagg	atgccgagga	aaccacttc	cggctgggtgc	1020
atgatcggct	gggaccagga	gacgggggtcc	gggcccctcg	agcgagcccg	cagcccttcg	1080
acggtgaaga	agcggccgct	gtcgtgcgcc	agattcccgg	tgaccgggtg	gaagccccag	1140
cgctggagct	cggcgaaggg	gatgcgcctc	acgtccatcc	ggatggcctt	gcggcgctcc	1200
tgaaccagt	cgtggacacc	acccagggac	agcagtcgcg	tgtcggccgc	cgccgattcg	1260
gcgatgcgcc	tcagatccgg	cgcgtcgagg	ccgtccgggg	ggaccgctgg	atgctttctg	1320
ctcatgatcg	cttgagtcac	ggatgtctct	cccacgcag	gcacggcag	cgcgctcggg	1380
ccaccgtcgg	caccaggtc	ggagtgcgcg	tcgagggccg	gtcgggtccg	accgggcgga	1440
cggcggttcc	gtcagggctc	gagccgcctt	cgatcagggc	ggccgaacgt	ggtcgccgtg	1500
gagttccgaa	gccttgcccg	aagtggcctt	tcagtgagtg	agatcgtgta	cggcaacctg	1560
ctgtaccgcg	aggacgacac	ccccgacgag	gtggttctct	cctcgatcag	agcggccctt	1620
gacgccgggg	tgacgacctt	cgacaccgcg	gacgtctacg	gcattgttccg	ctccgagagc	1680
ctgctggggc	gggcaactgg	cggcacgccc	cgcgaagagc	tggtgctgtg	caccaagggtg	1740
gggatgccga	ccgggttcgg	gcccacggga	cgggggctgt	cgaggaaaca	cgatcatggag	1800
tccgtcgacg	gctcgtcgcg	ccgtctgcgc	gtcgaccaca	tcgacgtcta	caccgcgcac	1860
cgctacgacc	cggcgactcc	gctggaggag	ctgatgtgga	ccttctccga	cctggtacgg	1920
gccgggaaga	tcctctacgt	cggcatgtcg	gaatggcccc	tggagcggat	cgccgaggcg	1980
gccgggatag	gtgcgcggct	cgggtgtgcc	gtgatctgtc	acatgccccg	ctactcgatg	2040
ctgtggcggg	cgccggaggc	cgaggtgatc	cccgcctgcc	gtgacctggg	catcggccag	2100
atcgggagct	cgaattcgaa	gcttctgcag	ctcacggtaa	ctgatgccgt	atttgagta	2160
ccagcgtacg	gccacagaa	tgatgtcacg	ctgaaaatgc	cggcctttga	atgggttcat	2220
gtgcagctcc	atcagcaaaa	ggggatgata	agtttatcac	caccgactat	ttgcaacagt	2280
gccgttgatc	gtgctatgat	cgactgatgt	catcagcggg	ggagtgcaat	gtcgtgcaat	2340
acgaatggcg	aaaagccgag	ctcatcggtc	agcttctcaa	ccttgggggt	acccccggcg	2400
gtgtgctgct	gggtccacagc	tccttccgta	gcgtccggcc	cctcgaagat	gggccacttg	2460
gactgatcga	ggccctgcgt	gctgcgctgg	gtccgggagg	gacgctcgtc	atgccctcgt	2520
ggtcaggtct	ggacgacgag	ccgttcgatc	ctgccacgtc	gcccgttaca	ccggaccttg	2580
gagttgtctc	tgacacattc	tggcgcctgc	caaagttaaa	gcgcagcgcc	catccatttg	2640
cctttgcggc	agcggggcca	caggcagagc	agatcatctc	tgatccattg	ccctgccac	2700
ctcactcgcc	tgcaagcccc	gtgcgccgtg	tccatgaact	cgatgggcag	gtacttctcc	2760

Replacement Sheet

FIG. 6B

tcggcgtggg	acacgatgcc	aacacgacgc	tgcattcttg	cgagttgatg	gcaaagggttc	2820
cctatggggg	gccgagacac	tgcaccattc	ttcaggatgg	caagttggta	cgcgctcgatt	2880
atctcgagaa	tgaccactgc	tgtgagcgct	ttgccttggc	ggacagggtg	ctcaaggaga	2940
agagccttca	gaaggaaggt	ccagtcggtc	atgcctttgc	tcggttgatc	cgctcccgcg	3000
acattgtggc	gacagccctg	ggtcaactgg	gccgagatcc	gttgatcttc	ctgcatccgc	3060
cagagggcgg	gatgcgaaga	atgcgatgcc	gctcgccagt	cgattggctg	agctcatgag	3120
cggagaacga	gatgacgttg	gaggggcaag	gtcgcgctga	ttgctggggc	aacacgtgga	3180
gcggatcggg	gattgtcttt	cttcagctcg	ctgatgatat	gctgacgctc	aatgccgttt	3240
ggcctccgac	taacgaaaat	cccgcatttg	gacggctgat	ccgattggca	cgggcgacgg	3300
cgaatggcgg	agcagacgct	cgtccggggg	caatgagata	tgaaaaagcc	tgaactcacc	3360
gcgacgtctg	tcgagaagtt	tctgatcgaa	aagttcgaca	gcgtctccga	cctgatgcag	3420
ctctcggagg	gcgaagaatc	tcgtgctttc	agcttcgatg	taggagggcg	tggatatgtc	3480
ctgcgggtaa	atagctgcgc	cgatggtttc	tacaaagatc	gttatgttta	tcggcacttt	3540
gcatcggccg	cgctcccgat	tccggaagtg	cttgacattg	gggaatttcg	acgtcatatg	3600
gatccgatga	tctgctactt	caccctggaa	cagggcgtgc	tgacgggcaa	gtacgcgccg	3660
ggcgccccgc	ccccggccgg	gtcccggggc	acggcaccca	aaggtagccg	ggccccgttg	3720
atgcggcgct	ggctggacga	cgacaaggtc	ctcgggcgcg	tcgagcggtc	gcgtccgctc	3780
gccgaggagg	ccgggctgac	cacggcgcac	ctcgcgtggg	tgctccagaa	tcccgcgctc	3840
agcggggccg	tcacgcgctc	gttcaacgcc	gaacagggtc	tggccaacgc	cgagtcggcc	3900
ggcgtccgtc	tggagacgga	cctgctggtg	aggatcgacg	aggtcctggg	cgactccgtc	3960
gtgcacgacg	aggagtagcc	cccgggcggg	gccggtggag	gcggatgcga	cgccgttcgt	4020
tccgggggct	gccgtccgtt	ccggttcggc	gacggaggcg	gatgcatccg	cgcccgctccg	4080
gcccaccgcc	cggcccgcgc	ggcatgccgg	gcgcgggggt	cgggcaccga	ggtgcaagcg	4140
ccccgaccgt	acgccgagcc	gagccgaccc	gtggcctctc	ccgtccctcc	tgaccgaccc	4200
tccccctccc	tcgtccttgc	cgacagggtc	gcccctactt	ccgacgctcc	cggagaggtc	4260
cactacggat	gcgcattctg	ttcaccacgt	tcccctggca	ctcccatcac	ttcccgatgg	4320
tcccactgga	gcggcgggcg	tggccgcggg	gcatgagggt	cgggtcgcga	gcgcgcccgc	4380
gctgatgccg	gtcgtgaccg	cgtccggcct	gcccgggata	ccggtcggcc	aggacgtgga	4440
ccttgccctc	ctgtccaacg	accgcagccg	ggccgcctgg	cacgttcagg	accgctggcc	4500
cgacgactgg	cccgtccgtc	cggaactcct	cgacgacgag	cagttcgcgc	tgatcgagaa	4560
cctgggacgg	atgcagacgg	tcattggcctc	ggccatgctc	gacgaccCgc	tgagcttcgc	4620
ccggtactgg	cggcccgaac	tgggtggCgca	cgacgccgtc	agcctcgccg	gcccgggtgg	4680
cgccgcgcgg	ctgggcgtgc	ccaacgtcag	ccacctgtgg	ggcactccgg	gactccagcg	4740
catcgagctg	cgccgcattg	gcggcgaaac	gctgccggag	tacgtccggc	tgtacgagcg	4800
ggcgggaacg	acggtgcgga	ccgagcccag	tgcttgatc	gaccccagtg	cccccgcat	4860
ccggtacccg	gccggaccga	cctgccgtca	gatgcggtac	gtgccctaca	acggcccggg	4920
cctgctgccg	gaactggtgc	gccgggaacc	gtcgggcagc	cgggtctgcg	tcacgtgggg	4980
cgccacctcc	atggccctgc	gcggcggcac	cgtcgtcgaa	ctcgtacgcc	agtgcgtgga	5040
agccgcgcgc	gaggtggccg	acgaggtcgt	cgtcgcgggtg	accgaacaga	ccgcgcgggc	5100
gctggaggac	acgccgctgc	cggaccacgc	acgcgtcgcg	gtcggattgc	cgctgcacct	5160
gctggtgccg	tcctgcgacc	tcgtggtcca	ccacggtggc	gccggcacca	gcatgaccgc	5220
cgcggtcgcg	ggcgtacgac	agctgctgat	caccaccggg	cccagacca	cgggtcaacgg	5280
cacccggctg	gccgcgtcgg	gcgccgcccg	gcacctgatg	accacggagg	tccccgcgcg	5340
ccgggaggga	gtgctgctgc	tgcgcgccga	gatggaccgt	ctcctatcgg	accccgacac	5400
cggcgccgcc	gcgcggcggc	tggccgacgg	catccgcacc	cagcccgcac	cggccgacgt	5460

Replacement Sheet

FIG. 6C

ggtggcgag	ctgacgcac	tcgtccggt	ggtcgatccc	gcccgggaagg	gatgaatctc	5520
gcccggcg	gacgactccc	gcccgcagg	aggagcaaga	accatgcgcg	ttctggtgac	5580
cacgtccccg	tggccccacc	attacttcgt	cgtccagccg	ctggccgccc	cgttccgcgc	5640
ggcgggccac	gaagtcctcg	tggcgggcca	gccgtccatg	gcggacctgg	tcacccggtc	5700
cggcctgccc	atggccgccc	tcggcagcga	catcgacatg	gtggacatcc	gccgcaagac	5760
gctctcccag	gaactggacg	cccgtcagaa	gcccggggaa	cccgccggg	ccgacgacgg	5820
cggtcaggtc	ttcgacacct	ggcagcaggc	caccctcgcc	aacctcgacc	cggtcatgga	5880
cctcgcccgg	acctggaaac	cggacctggt	gctcgccgac	accatgtgcc	cgccgggcct	5940
cgtcgccgca	caggaactcg	gcgtgccggg	gatcc			5975